



Android

Empower Your Journey

Master Android

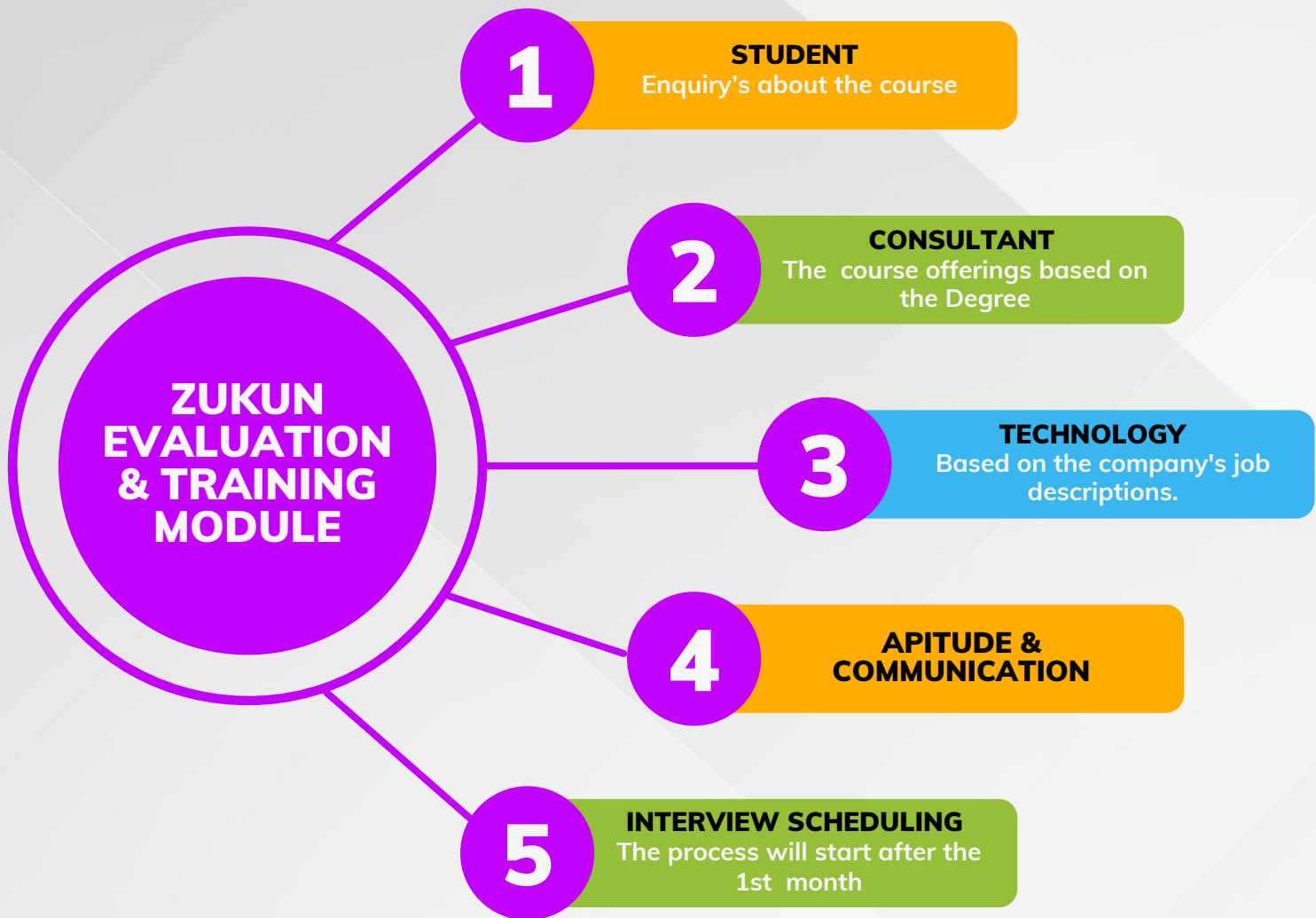




OUR PROMISES



TRAINING MODULE



PLACEMENT MODULE





Module-01

JAVA Concepts:

- OOPs Concepts
- Inheritance in detail
- Exception handling
- Packages & interfaces
- JVM & jar file extension
- Multithreading (Thread class & Runnable Interface)

Module-02

SQL :

- DML & DDL Queries in brief

Module-03

Introduction to Android:

- What is Android?
- Setting up development environment
- Dalvik Virtual Machine & apk file extension



Fundamentals :

- Basic Building blocks – Activities, Services, Broadcast Receivers & Content providers
- UI Components – Views & notifications
- Components for communication – Intents & Intent Filters
- Android API levels (versions & version names)

Module-04

Application Structure (in detail):

- AndroidManifest.xml
- Uses-permission & uses-SDK
- Resources & R java
- Assets
- Layouts & Drawable Resources
- Activities and Activity Lifecycle
- First sample Application

Module-05

Emulator-Android Virtual Device:

- Launching emulator
- Editing emulator settings



- Emulator shortcuts
- Logcat usage
- Introduction to DDMS
- Second App: (switching between activities)
- Develop an app for demonstrating the communication between Intents

Module-06

Basic UI design:

- Form widgets
- Text Fields
- Layouts
- [dip, dp, sip, sp] versus px
- Examples

Module-07

Preferences:

- SharedPreferences
- Examples

Module-08

Menu:

- Option menu



- Context menu
- Sub menu
- Menu from xml
- Menu via code
- Examples

Module-09

Intents (in detail):

- Explicit Intents
- Implicit intents
- Examples

Module-10

UI design:

- Material Design
- Time and Date
- Images and media
- Composite
- AlertDialogs & Toast
- Popup
- Examples



Module-11

Tabs and Tab Activity:

- Examples

Module-12

SQLite Concepts:

- SQLite Programming
- SQLiteOpenHelper
- SQLite database
- Cursor
- Reading bookmarks
- Example: Develop an App to demonstrate database usage. CRUD operations must be implemented
- Example: Final details should be viewed in GridView as well as in ListView

Module-13

Android Debug Bridge (ADB) tool:

- Examples



Module-14

Adapters and Widgets:

- ArrayAdapter
- BaseAdapters
- ListView and ListActivity
- Custom listview
- GridView using adapters
- Gallery using adapters
- Examples

Module-15

Threads:

- Threads running on UI thread (runOnUiThread)
- Worker thread • Handlers & Runnable
- AsyncTask (in detail)
- Examples
- Live Folders
- Using sdcards
- XML Parsing
- JSON Parsing
- Maps, GPS, Location-based Services



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